

Abstracts

A Fiber-Optic Link Utilizing Subcarrier Transmission and Reception of Microwave Signals

G.K. Gopalakrishnan, K.J. Williams, R.P. Moeller, W.K. Burns and R.D. Esman. "A Fiber-Optic Link Utilizing Subcarrier Transmission and Reception of Microwave Signals." 1995 MTT-S International Microwave Symposium Digest 95.3 (1995 Vol. III [MWSYM]): 1165-1168.

A novel fiber-optic system utilizing subcarrier transmission and reception of microwave signals is demonstrated. Error free transmission of a 50 Mbit/s amplitude shift keyed signal over 9 and 16 GHz microwave subcarriers is demonstrated for received optical powers greater than or equal to -30.5 and -28.5 dBm, respectively.

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